

01-09-02

PTO/SB/05 (03-01)

Please type a plus sign (+) inside this box

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.: CM03381J  
First Inventor: Matthew R. Perkins, Tzer-Hso Lin and Neal K. Patwari  
Title: TWO-DIMENSIONAL ANGLE OF ARRIVAL DETECTION DEVICE  
Express Mail Label No.: EL793075382US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

1. ☒ Fee Transmittal Form in duplicate  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status  
See 37 CFR 1.27
3. ☒ Specification [ Total Pages  ]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference to sequence listing, a table,  
or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [ Total Sheets  ]
5. Oath or Declaration [ Total Pages  ]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/ divisional with Box 18  
completed)
    - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the  
prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet under 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large  
table or Computer Program (Appendix)
8. ☐ Nucleotide and/or Amino Acid Sequence  
(if applicable, all necessary)
  - a. ☐ Computer Readable Form (CFR)
  - b. ☐ Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies);
    - ii. ☐ or paper
  - c. ☐ Statements verifying identify of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of  
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure ☒ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document  
(if foreign priority is claimed)
16. ☐ Nonpublication Request and Certification  
under 35 U.S.C. 122(b)(2)(B)(i). Applicant  
must attach form PTO/SB/35 or its equivalent
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in- Part (CIP) of Prior Appl. No.   
Prior Appl. information: Examiner:  Group/Art Unit:

**19. CORRESPONDENCE ADDRESS**

☒ Customer Number or Bar Code Label



or  
☐

Correspondence address below

|           |                  |           |                                      |                 |                |
|-----------|------------------|-----------|--------------------------------------|-----------------|----------------|
| Name      |                  |           |                                      |                 |                |
| Address   |                  |           |                                      |                 |                |
| City      |                  | State     |                                      | Zip Code        |                |
| Country   | U.S.A.           | Telephone | (954) 723-6449                       | Fax             | (954) 723-5599 |
| Name      | Andrew S. Fuller |           | Registration Number (Attorney/Agent) |                 | 37,328         |
| SIGNATURE |                  |           | Date                                 | January 7, 2002 |                |

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision

**Complete if Known**☐ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT **(\$)** 1434.00

Application No.

Filing Date

First Named Inventor

Matthew R. Perkins, Tzer-Hso Lin and Neal K. Patwari

Examiner Name

Group Art Unit

Attorney Docket No.

CM03381J

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account

Deposit Account Number

50-0757

Deposit Account Name

Motorola, Inc.

The Commissioner is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayment☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity |        | Small Entity |        | Fee Description        | Fee Paid |
|--------------|--------|--------------|--------|------------------------|----------|
| Fee Code     | Fee \$ | Fee Code     | Fee \$ |                        |          |
| 101          | 740    | 201          | 370    | Utility filing fee     | 740      |
| 106          | 330    | 206          | 165    | Design filing fee      |          |
| 107          | 510    | 207          | 255    | Plant filing fee       |          |
| 108          | 740    | 208          | 370    | Reissue filing fee     |          |
| 114          | 160    | 214          | 80     | Provisional filing fee |          |
| SUBTOTAL (1) |        |              |        |                        | (\$)     |

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

| Total Claims       |      | Extra Claims |   | Fee from below | Fee Paid |
|--------------------|------|--------------|---|----------------|----------|
|                    |      |              |   |                |          |
| 47                 | -20* | 27           | x | 18             | 486      |
| Independent        |      |              |   |                |          |
| 5                  | -3*  | 2            | x | 84             | 168      |
| Multiple Dependent |      |              |   |                |          |
|                    |      |              |   | 280            |          |

| Large Entity |        | Small Entity |        | Fee Description   | Fee Paid |
|--------------|--------|--------------|--------|---|----------|
| Fee Code     | Fee \$ | Fee Code     | Fee \$ |   |          |
| 103          | 18     | 203          | 9      | Claims in excess of 20                                    |          |
| 102          | 84     | 202          | 42     | Independent claims in excess of 3                         |          |
| 104          | 280    | 204          | 140    | Multiple dependent claim, if not paid                     |          |
| 109          | 84     | 209          | 42     | **Reissue independent claims over original patent         |          |
| 110          | 18     | 210          | 9      | **Reissue claims in excess of 20 and over original patent |          |
| SUBTOTAL (2) |        |              |        |   | (\$)     |

\*\*or number previously paid, if greater. For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity |          | Small Entity |          | Fee Description  | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |          |
| 105          | 130      | 205          | 65       | Surcharge - late filing fee or oath  |          |
| 127          | 50       | 227          | 25       | Surcharge - late Provisional filing  |          |
| 139          | 130      | 139          | 130      | Non-English specification  |          |
| 147          | 2520     | 147          | 2520     | For filing a request for ex parte Reexamination                            |          |
| 112          | 920*     | 112          | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 113          | 1840*    | 113          | 1840*    | Requesting publication of SIR after Examiner action                        |          |
| 115          | 110      | 215          | 55       | Extension for reply within first month                                     |          |
| 116          | 400      | 216          | 200      | Extension for reply within second month                                    |          |
| 117          | 920      | 217          | 460      | Extension for reply within third month                                     |          |
| 118          | 1440     | 218          | 720      | Extension for reply within fourth month                                    |          |
| 128          | 1960     | 228          | 980      | Extension for reply within fifth month                                     |          |
| 119          | 320      | 219          | 160      | Notice of Appeal   |          |
| 120          | 320      | 220          | 160      | Filing a brief in support of an appeal                                     |          |
| 121          | 280      | 221          | 140      | Request for oral hearing   |          |
| 138          | 1510     | 138          | 1510     | Petition to institute a public use proceeding                              |          |
| 140          | 110      | 240          | 55       | Petition to revive - unavoidable   |          |
| 141          | 1280     | 241          | 640      | Petition to revive - unintentional   |          |
| 142          | 1280     | 242          | 640      | Utility issue fee (or reissue)   |          |
| 143          | 460      | 243          | 230      | Design issue fee   |          |
| 144          | 620      | 244          | 310      | Plant issue fee  |          |
| 122          | 130      | 123          | 50       | Petitions to the Commissioner  |          |
| 123          | 50       | 123          | 50       | Processing fee under 37 CFR 1.17(q)  |          |
| 126          | 180      | 126          | 180      | Submission of IDS  |          |
| 581          | 40       | 581          | 40       | Recording each patent assignment per property (times number of properties) | 40       |
| 146          | 740      | 246          | 370      | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149          | 740      | 249          | 370      | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179          | 740      | 279          | 370      | Request for Continued Examination (RCE)                                    |          |
| 169          | 900      | 169          | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Pd

SUBTOTAL (3) **\$** 40**SUBMITTED BY**

Name (Print) Andrew S. Fuller

Signature

**Complete (if applicable)**

Registration No. (Attorney/Agent) 37,328

Telephone: (954) 723-6449

Date 1/7/02